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Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	٧.
		10/016,975	ROSEN ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Bryan J Fox	2686	
Period fo	The MAILING DATE of this communication or Reply	appears on the cover sheet w	ith the correspondence address	
THE - Exte after - If the - If NC - Failt - Any	ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIOnsions of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory peure to reply within the set or extended period for reply will, by streply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a . reply within the statutory minimum of thi riod will apply and will expire SIX (6) MOI atute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communicat BANDONED (35 U.S.C. § 133).	tion.
Status	•			
1)⊠	Responsive to communication(s) filed on 2	<u> 6 November 2004</u> .		
2a)⊠	This action is FINAL . 2b)	This action is non-final.		
3)[Since this application is in condition for allo closed in accordance with the practice und		·	is
Disposit	ion of Claims		•	
5)□ 6)⊠ 7)□	Claim(s) <u>1-69</u> is/are pending in the applicat 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) <u>1-69</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and	drawn from consideration.		
Applicat	ion Papers			
9)[The specification is objected to by the Exam	niner.		
10)	The drawing(s) filed on is/are: a)	accepted or b)□ objected to	by the Examiner.	
	Applicant may not request that any objection to	the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
11)	Replacement drawing sheet(s) including the cor The oath or declaration is objected to by the	· · · · · · · · · · · · · · · · · · ·	• •	• •
Priority (under 35 U.S.C. § 119			
a)	Acknowledgment is made of a claim for fore All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International But See the attached detailed Office action for a	ents have been received. ents have been received in A priority documents have beer reau (PCT Rule 17.2(a)).	Application No I received in this National Stage	
Attachmen	t(s)			
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date	
3) 🔲 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB. or No(s)/Mail Date		Informal Patent Application (PTO-152)	
				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 3, 7, 9, 13, 14, 18, 20, 24, 26, 30, 31, 35, 37, 41, 43, 47, 48, 52, 53, 58, 60, 64 and 65 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dailey (US006449491B1) in view of Hamalainen (US005966378A).

Regarding claim 1, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20. A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination process for the source

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communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request from a controller after the service origination process is complete," and, configuring a communications manager (CM) to not respond immediately to the floor-control request." Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding **claim 3**, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding **claim 7**, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "method for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message

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is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting" a response to the floor-control request from a wireless infrastructure after the service origination process is complete". Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding claim 9, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding claim 13, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "method for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request". Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

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Regarding **claim 14**, the combination of Dailey and Hamalainen discloses that the confirm messages preferably are Fast Associated Control Channel (FACCH) messages (see Dailey column 9, lines 61-65), which reads on the claimed "the transmitting includes transmitting the response on a forward common channel".

Regarding claim 18, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see Dailey column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see Dailey column 10, lines 8-20), which reads on the claimed "computer readable medium embodying a method for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floorcontrol request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination" process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9. lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request from a controller after the service origination process is complete".

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Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding **claim 20**, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding claim 24, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "computer-readable medium embodying a method for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to

terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request from a wireless infrastructure after the service origination process is complete". Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding **claim 26**, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding **claim 30**, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "computer-readable medium embodying a method for avoiding

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simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floorcontrol request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination" process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request". Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding claim 31, the combination of Dailey and Hamalainen discloses that the confirm messages preferably are Fast Associated Control Channel (FACCH) messages (see Dailey column 9, lines 61-65), which reads on the claimed "the transmitting includes transmitting the response on a forward common channel".

Regarding claim 35, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "apparatus for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "means for receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "means for initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "means for transmitting a response to the floor-control request from a controller after the service origination process is complete". Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

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It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding **claim 37**, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding **claim 41**, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "apparatus for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "means for receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "means for initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which

reads on the claimed "means for transmitting a response to the floor-control request from a wireless infrastructure after the service origination process is complete". Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding claim 43, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding claim 47, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "apparatus for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "means for receiving a floor-control request from a source communication

device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "means for initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "means for transmitting a response to the floor-control request". Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding claim 48, the combination of Dailey and Hamalainen discloses that the confirm messages preferably are Fast Associated Control Channel (FACCH) messages (see Dailey column 9, lines 61-65), which reads on the claimed "the transmitting includes transmitting the response on a forward common channel".

Regarding claim 52, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads

on the claimed "apparatus for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request from a controller after the service origination process is complete". Since the system both receives the origination message and transmits the response as discussed above, the system must include a transmitter and a receiver as claimed. Further, the transceiver that has the transmitter and receiver is connected to a cellular radio exchange 614 and a mobility server 616 (see figure 6), and these devices together produce a machine such that the instructions which execute on the computer or other programmable data processing apparatus create means for implementing the functions specified in the flowchart block or blocks (see column 8, lines 7-28), so they must include the "processor communicatively coupled to the receiver and the transmitter" capable of the functions described above. Dailey fails to

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expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding claim 53, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding claim 58, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "apparatus for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination

message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request from a wireless infrastructure after the service origination process is complete". Since the system both receives the origination message and transmits the response as discussed above, the system must include a transmitter and a receiver as claimed. Further, the transceiver that has the transmitter and receiver is connected to a cellular radio exchange 614 and a mobility server 616 (see figure 6), and these devices together produce a machine such that the instructions which execute on the computer or other programmable data processing apparatus create means for implementing the functions specified in the flowchart block or blocks (see column 8, lines 7-28), so they must include the "processor communicatively coupled to the receiver and the transmitter" capable of the functions described above. Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

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In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding **claim 60**, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56), which reads on the claimed "the receiving includes receiving the floor-control request on a reverse common channel".

Regarding claim 64, Dailey discloses a system with a terminal 400 that includes a push-to-talk button 460, operatively associated with the controller 470 and used to initiate and conduct group calls (see column 7, lines 26-36). This system notifies the originating party that "wins" the traffic channel (see column 10, lines 8-20), which reads on the claimed "apparatus for avoiding simultaneous service origination and paging in a mobile operating in a group communication network". A group call origination message is transmitted form an originating terminal (Block 705) and is received at one of the system transceiver units (see column 8, lines 38-44 and figure 7), which reads on the claimed "receiving a floor-control request from a source communication device for initiating a group call". In response, the system transmits a traffic channel designation message addressed to terminals in the group associated with the group call origination message (see column 8, lines 44-49 and figure 7), which reads on the claimed "initiating a service origination process for the source communication device". After designation of the common traffic channel, a confirm message is transmitted to the terminals of the group (see column 9, lines 47-49 and figure 8), which reads on the claimed "transmitting a response to the floor-control request". Since the system both receives the origination message and transmits the response as discussed above, the system must include a transmitter and a receiver as claimed. Further, the transceiver that has the transmitter

and receiver is connected to a cellular radio exchange 614 and a mobility server 616 (see figure 6), and these devices together produce a machine such that the instructions which execute on the computer or other programmable data processing apparatus create means for implementing the functions specified in the flowchart block or blocks (see column 8, lines 7-28), so they must include the "processor communicatively coupled to the receiver and the transmitter" capable of the functions described above. Dailey fails to expressly disclose avoiding a race condition between the service origination process and paging."

In a similar field of endeavor, Hamalainen discloses preventing collisions between transmissions in the uplink and in the downlink (see column 3, lines 6-14).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify Dailey with Hamalainen to include the above prevention of collisions in order to avoid the loss of data.

Regarding **claim 65**, the combination of Dailey and Hamalainen discloses that the confirm messages preferably are Fast Associated Control Channel (FACCH) messages (see Dailey column 9, lines 61-65), which reads on the claimed "the transmitting includes transmitting the response on a forward common channel".

Claims 2, 8, 19, 25, 36, 42, 53 and 59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dailey in view of Hamalainen as applied to claims 1, 7, 18, 24, 35, 41, 52 and 58 above, and further in view of Phillips et al (US005873023A).

Regarding claims 2, 8, 19, 25, 36, 42, 53 and 59, the combination of Dailey and Hamalainen fails to expressly disclose caching the response before sending it.

In a similar field of endeavor, Phillips et al discloses a method for implementing a group call where messages may be queued before transmission (see column 5, lines 10-33). The queuing of a message reads on the claimed "caching".

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify the combination of Dailey and Hamalainen with Phillips et al to include the above queuing of messages in order to avoid loss of information in the case that more than one message is to be sent at the same time or nearly the same time.

Claims 4, 5, 10, 11, 16, 21, 22, 27, 28, 33, 38, 39, 44, 45, 50, 55, 56, 61, 62 and 67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dailey in view of Hamalainen as applied to claims 3, 9, 14, 20, 26, 31, 37, 43, 48, 54, 60 and 65 above, and further in view of Kumar et al (US006507572B1).

Regarding claims 4, 10, 21, 27, 38, 44, 55 and 61, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56). The combination of Dailey and Hamalainen fails to expressly disclose the use of the reverse access channel.

In a similar field of endeavor, Kumar et al discloses a system where a mobile makes an access on the RACH at the primary to request channel assignment (see column 16, lines 56-65).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify the combination of Dailey and Hamalainen with Kumar et al to include the above use of the RACH in order to be consistent with the standard of using the reverse channel for initial contact.

Regarding claims 5, 11, 22, 28, 39, 45, 56 and 62, the combination of Dailey and Hamalainen discloses that the group call origination message is transmitted on a reverse control channel (see Dailey column 3, lines 52-56). The combination of Dailey and Hamalainen fails to expressly disclose the use of the reverse enhanced access channel.

In a similar field of endeavor, Kumar et al discloses a system where a mobile uses the R_EACH to request assignment of a dedicated traffic channel (see column 18, lines 8-10).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify the combination of Dailey and Hamalainen with Kumar et al to include the above use of the reverse enhanced access channel in order to be consistent with the standard of using the reverse enhanced access channel to request assignment of a dedicated traffic channel.

Regarding claims 16, 33, 50 and 67, the combination of Dailey and Hamalainen discloses that the confirm messages preferably are Fast Associated Control Channel (FACCH) messages (see Dailey column 9, lines 61-65). The combination of Dailey and Hamalainen fails to expressly disclose that the forward common control channel is used.

In a similar field of endeavor, Kumar et al discloses a system where a primary responds on the forward common control channel (see column 16, lines 27-49).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify the combination of Dailey and Hamalainen with Kumar et al to include the above use of the forward common control channel in order to take advantage of the benefits of a common channel, such as resource sharing between many terminals.

Claims 6, 12, 23, 29, 40, 46, 51, 57, 63, 68 and 69 rejected under 35 U.S.C. 103(a) as being unpatentable over Dailey in view of Hamalainen as applied to claims 3, 9, 20, 26, 37, 43, 48, 54, 60 and 65 above, and further in view of Wang et al (US 20020055364A1).

Regarding claims 6, 12, 23, 29, 40, 46, 51, 57, 63 and 68, the combination of Dailey and Hamalainen discloses that the group call origination message has a special abbreviated format (see Dailey column 3, lines 52-56). The combination of Dailey and Hamalainen fails to expressly disclose that the message is in short data burst form.

In a similar field of endeavor, Wang et al discloses a system that uses a short data burst (see figure 2).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify the combination of Dailey and Hamalainen with Wang et al to include the above short data burst form in order to minimize the use of system resources by avoiding the need for a longer message.

Regarding **claim 69**, the combination of Dailey, Hamalainen and Wang et al discloses that the terminal 400 includes a push-to-talk button 460 (see Dailey column 7,

lines 26-36), which reads on the claimed "the source communication device includes a push-to-talk (PTT) device".

Claims 15, 32, 49 and 66 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dailey in view of Hamalainen as applied to claims 14, 31, 48 and 65 above, and further in view of Hunzinger (US 20020082032A1).

Regarding claims 15, 32, 49 and 66, the combination of Dailey and Hamalainen discloses that the confirm messages preferably are Fast Associated Control Channel (FACCH) messages (see Dailey column 9, lines 61-65). The combination of Dailey and Hamalainen fails to disclose that the response is transmitted on a forward paging channel.

In a similar field of endeavor, Hunzinger discloses a system where an acknowledgement is received on the forward paging channel (see paragraph 20).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to modify the combination of Dailey and Hamalainen with Hunzinger to include the above use of the forward paging channel in order to take advantage of the benefits of a paging channel such as avoiding the need for a dedicated channel, conserving system resources.

Response to Arguments

Applicant's arguments with respect to claims 1-69 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Dore et al (US005355368A) discloses a method for allocating time slots for transmission in a half-duplex time division multiple access point-to-multipoint bidirectional transmission network.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bryan J Fox whose telephone number is (571) 272-7908. The examiner can normally be reached on Monday through Friday 9-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on (571) 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bryan Fox May 16, 2005 Marsha D. Banks-Harold MARSHA D. BANKS-HAROLD SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600